

What the invention claimed is:

1. A sheet member output mechanism mounted in a receiving open chamber at the output side of the bottom shell of a labeling machine and adapted to deliver a printed sheet member out
5 of the output side of said bottom shell, the sheet member output mechanism comprising:

a sheet-transfer cylinder mounted in said receiving open chamber at said output side of said bottom shell, said sheet-transfer cylinder comprising a cylinder body, and a shaft axially extended
10 through said cylinder body;

two brackets adapted to support said sheet-transfer cylinder in said receiving open chamber at said output side of said bottom shell, each said bracket comprising a bearing base, said bearing base defining a receiving space adapted to receive the shaft of said
15 sheet-transfer cylinder, and two mounting portions respectively outwardly extended from two top free ends of said bearing base and adapted to hang the respective bracket on a part in said receiving open chamber at said output side of said bottom shell;

a plurality of axle bearings bilaterally disposed at two sides
20 of each said bracket, said axle bearings each having a circular center hole, which receives the shaft of said sheet-transfer cylinder;
and

a driven member fastened to one end of said shaft of said

sheet-transfer cylinder and coupled to a transmission mechanism inside said labeling machine for rotating said sheet-transfer cylinder.

2. The sheet member output mechanism as claimed in claim 5 1, wherein said shaft of said sheet-transfer cylinder has two annular grooves extended around the periphery near two distal ends thereof for mounting.

3. The sheet member output mechanism as claimed in claim 2, further comprising two C-shaped clamps respectively fastened to 10 said annular grooves of said shaft of said sheet-transfer cylinder to secure said sheet-transfer cylinder to said brackets.

4. The sheet member output mechanism as claimed in claim 1, wherein said shaft of said sheet-transfer cylinder has a flat positioning portion at the periphery of one end thereof.

15 5. The sheet member output mechanism as claimed in claim 4, wherein said driven member has a flat positioning portion abutted against the flat positioning portion of said shaft of said sheet-transfer cylinder to prevent rotary motion of said sheet-transfer cylinder relative to said driven member.

20 6. The sheet member output mechanism as claimed in claim 1, wherein each said bracket comprises two retaining portions disposed at two sides of the respective bearing base and adapted to secure the respective bracket to the receiving open chamber at the

output side of said bottom shell of said labeling machine.

7. The sheet member output mechanism as claimed in claim 6, wherein said receiving open chamber of said bottom shell of said labeling machine comprises a plurality of retaining portions
5 adapted to engage the retaining portions of said brackets.

8. The sheet member output mechanism as claimed in claim 1, wherein said driven member is a gear wheel.

9. The sheet member output mechanism as claimed in claim 8, wherein said driven member has a center gear hole, which
10 receives one end of said shaft of said sheet-transfer cylinder, and a flat positioning portion abutted against a flat positioning portion at one end of said shaft of said sheet-transfer cylinder.

10. A sheet member detection structure comprising at least one paper sensor mounted in the output side at the bottom shell of a
15 labeling machine and adapted to detect the presence of a sheet member.

11. The sheet member detection structure as claimed in claim 10, wherein said at least one paper sensor is respectively selected from one of a group sensors including optical sensors,
20 induction sensors, and contact sensors.

12. The sheet member detection structure as claimed in claim 10, wherein said sheet member is a label.

13. A sheet member detection structure comprising at least

one paper sensor mounted in the output port of the front cover of a labeling machine and adapted to output a signal to said labeling machine to drive said labeling machine to transfer a next printed sheet member to said output port of said front cover after removal
5 of the printed sheet member been outputted to said output port of said front cover.